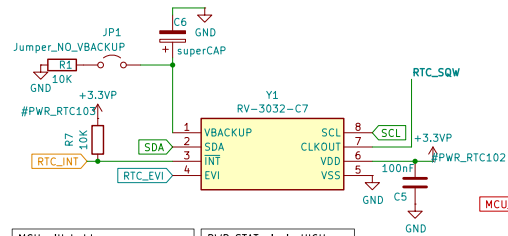
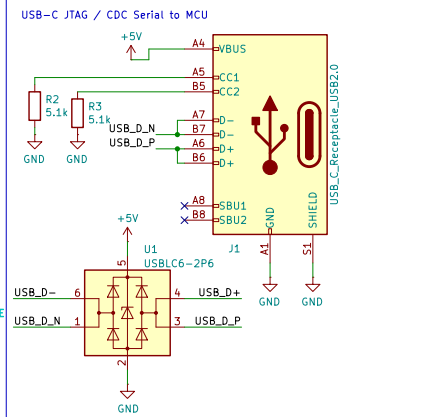
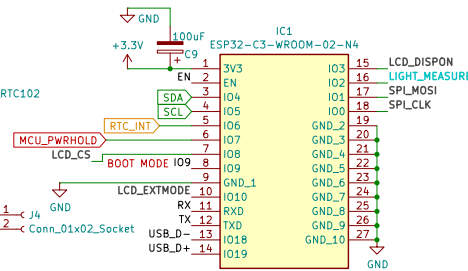


BASED on RV3032 Page 144 App.Manual  
DTCXO Temp. Compensated Real-Time Clock Module RV-3032-C7  
May 2023 144/154 Rev. 1.3  
8.5. NO BACKUP SOURCE / EVENT INPUT USED ("WAKE-UP" & "POWER SWITCH")

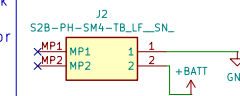


MCU will hold power once awake. Initial voltage flow when on battery is activated by the user

PWR\_STAT pin is HIGH when USB is connected this also brings VDC to LDO that outputs 3V3 power

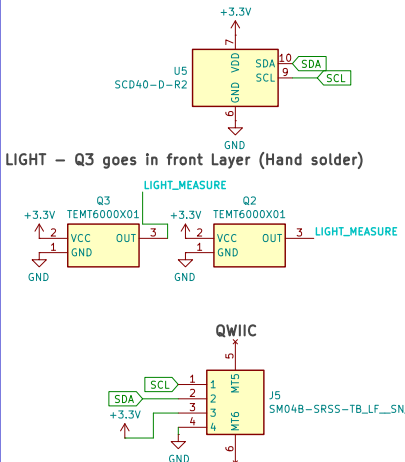


Battery jack  
No battery  
charging for  
now

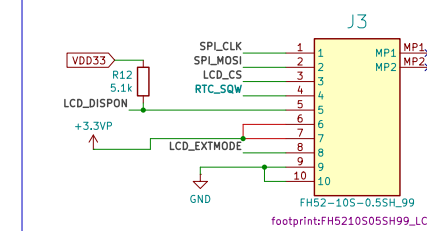


## ENVIROMENTAL SENSORS

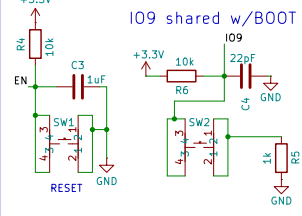
LIGHT - Q3 goes in front Layer (Hand solder)



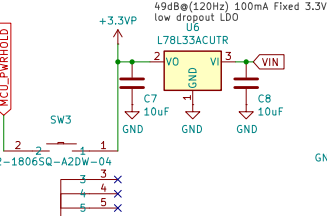
10 FPC SHARP LCD connector



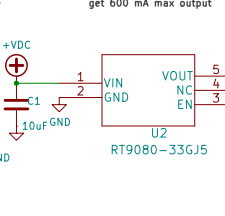
## RST Push switch



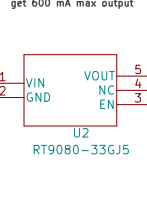
## USER PWR UP



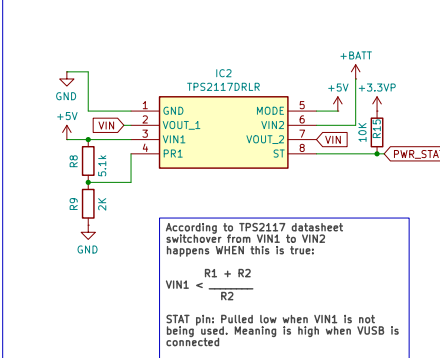
## Small LDO only RTC & LCD



## MAIN LDO powers MCU



## Auto Power switching VUSB vs. VBAT w/ TPS2117



According to TPS2117 datasheet  
switchover from VIN1 to VIN2  
happens WHEN this is true:  
 $VIN1 < \frac{R1 + R2}{R2}$   
STAT pin: Pulled low when VIN1 is not  
being used. Meaning is high when VUSB is  
connected

BASED on RV3032 Page 144 App.Manual

FASANI CORP.

Sheet: /

File: enviromental-sensors.kicad\_sch

Title: Ultra low consumption all OFF

Size: User

Date: 2025-03-12

Rev: 1.0

KiCad E.D.A. 8.0.9

Id: 1/1